

Roy F. Weston, Inc.
Suite B125
187 Ballardvale Street
Wilmington, Massachusetts 01887-1062
508-988-7000 • Fax 508-988-7093

Superfund Re	cords Center
BREAK:	ere je
OTHER:	. 19

21 October 1996 Work Order No. 03886-118-002-0700-00

Mr. Maurice Beaudoin, Resident Engineer Department of the Army New England Division, Corps of Engineers New Bedford Resident Office 103 Sawyer Street New Bedford, MA 02746

Reference:

Contract No. DACW33-95-D-0004

Delivery Order No. 0002

New Bedford Harbor Superfund Site

Sawyer Street Site O & M DCN-NBH-102196-AAHK

Subject:

Quarterly Groundwater Sampling Results - Third Quarter 1996

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 25 September 1996. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, the total and dissolved concentrations of cadmium in MW-3 exceeded the cadmium U.S. EPA Maximum Contaminant Level (MCL) of 5.0 parts per billion (ppb), and the dissolved concentration of lead in MW-3 exceeded the lead MCL of 15.0 ppb. No other exceedances of MCLs were noted. Data validation notes and the laboratory data transmittals for the 25 September 1996 groundwater sampling results are attached.

During the groundwater sampling event on 25 September 1996, the depression area located east of the Confined Disposal Facility (CDF) was inundated with standing water to a maximum depth of approximately 1.5 feet. Monitoring wells MW-2 and MW-3 are located in this area, and the depth of standing water in the vicinity of these two wells was observed to be approximately one foot. Standing water in the vicinity of these wells may affect the natural, measured depth to water in the wells and may also affect the quality of groundwater in this area. The depression area is utilized as a discharge area for rain water which accumulates on the covers of CDF cells.



Mr. Maurice Beaudoin U.S. Army Corps of Engineers

2

21 October 1996

Please call me at (508) 988-7000 if you have any questions regarding this Letter Report.

Very Truly Yours,

ROY F. WESTON, INC.

James S. Chow

Assistant Geoscientist II

JSC/jja

cc: T. Abdella (WESTON)

L. Lemay [WESTON DCN File (2)]

M. Otis (CENED) Project File (WIL)

# Inter-Office Memorandum



TO: James Chow

FROM: Diane Quigley

DATE: October 18, 1996

W.O. NO.: 03886-118-002-0700-00

SUBJECT: New Bedford Harbor Sawyer St. Site Data Validation

ACTION:

The data for quarterly groundwater samples 001-0996 to 007-0996, 106-0996 and 202-0996 from 9/25/96 were reviewed. Chain of custody documents, method blank data, matrix spike (MS) and laboratory control spike data as well as surrogate recoveries and sample duplicate data were reviewed. The following deficiencies were noted.

#### A. Filtered Samples

1. Sample 004-0996; Estimate the non-detected lead result due to poor MS/MSD recoveries.

#### B. Unfiltered Samples

- 1. Copper appeared in rinsate blank 202-0996: 0.0130 mg/Lx5 = 0.0650 mg/L Action Level. Therefore, positive copper results should be qualified as undetected (U) in samples 001-0996, 002-0996, 004-0996, 005-0996, 006-0996, 007-0996 and 106-0996.
- 2. The non-detected lead result in sample 004-0996 should be estimated (UJ) due to poor
- 3. The positive lead result in sample 006-0996 (0.0033 mg/L) should be estimated (J) and the nondetected lead result (UJ) in field duplicate sample 106-0996 since field duplicate criteria was

If you have any questions please call me.



LLI Sample No. WW 2589057 Collected: 9/25/96 at 14:00 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

001-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 01996 SDG#: NBH12-01

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

N.D.

N.D.

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS

1749 Cadmium 1751 Chromium 1753 Copper 1055 Lead (furnace method)

0.0193 1 The quantitation limit for lead was increased 0.0112 J

due to the nature of the sample matrix. 0173 PCBs in Water

0.0027 mg/l 0.0043 mg/l 0.0038 mg/l ND due to 0.0060 mg/l detection bank

1. See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

See reverse constant.

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:08:43 D 0003 12 123814 535298 0.00 00010504 ASROOD

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Page: 2 of

LLI Sample No. WW 2589057 Collected: 9/25/96 at 14:00 by JC

Submitted: 9/27/96 Reported: 10/10/96

Discard: 11/10/96

001-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002

01996 SDG#: NBH12-01

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED	
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CAT NO.	ANALYSIS	NAME	AS RECEIV	'ED
PCBs	in Water	TARE	95000	METHOD TECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to ins quantitati Limits obt	Sufficient sample size, on limits. The values ainable.	N.D. N.D. N.D. N.D. N.D. N.D. N.D. We were unable to report	0.054 ug/t 0.15 ug/t 0.060 ug/t 0.13 ug/t 0.048 ug/t

quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative at (717) 656-2300





LLI sample No. WW 2589058 Collected: 9/25/96 at 11:50 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

CAT

002-0996 Grab Water Sample

US ACOE-New Bedford 02996 SOG#: NBH12-02 03886-118-002

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium N.D. 1753 0.0027 mg/l Copper N.D. 0.0043 mg/L 1055 Lead (furnace method) 0.0137 J 0.0038 mg/1→ND The quantitation limit for lead was increased N.D. 0.012 mg/l due to the nature of the sample matrix. 0173 PCBs in Water

1. See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:09:06 D 0003 12 123814 535298 0.00 00010504 ASR000 320





Page: 2 of 5

LLI Sample No. WW 2589058 Collected: 9/25/96 at 11:50 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

002-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 02996 SDG#: NBH12-02

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS	NAME	AS	RECEIVED
PCBs	in Water		RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PC8-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to ins quantitati limits obt		N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l

Questions? Contact your Client Services Representative at (717) 656-2300



LLI Sample No. WW 258 Collected: 9/25/96 at 12:15 by JC 2589059

Submitted: 9/27/96 Reported: 10/10/96

Discard: 11/10/96

003-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 03996 SDG#: N8H12-03

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

The state of the s

P.O. LL-2139-A7 Rel, 03886-118-002

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium 0.025 1*7*53 0.0027 mg/l Copper N.D. 0.0043 mg/l 1055 Lead (furnace method) 0.156 The quantitation limit for lead was increased 0.0038 mg/L N.D. due to the nature of the sample matrix. 0.0060 mg/L 0173 PCBs in Water

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars 05:09:27 D 0003 12 at (717) 656-2300 0.00 00010504 ASR000 123814 535298





Page: 2 of 5

LLI Sample No. WW 2589059 Collected: 9/25/96 at 12:15 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

003-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 03996 SOG#: NBH12-03

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square

Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS		AŞ	RECEIVED
	in Water	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to ins quantitati limits obt	sufficient sample size, ion limits. The values ainable.	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.15 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l

Questions? Contact your Client Services Representative at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



Page: 1 of

LLI Sample No. WW 2589060 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

004-0996 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002 04996 SDG#: NBH12-048KG

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.

ANALYSIS NAME

1749 Cadmium 1751 Chromium

1753 Copper 1055

Lead (furnace method) The quantitation limit for lead was increased 0173

due to the nature of the sample matrix. PCBs in Water

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

N.D. N.D. 0.0038 』

N.D.

0.0027 mg/l 0.0043 mg/L 0.0038 mg/L ND mg/i > ut non-detected 0.012

1. See Page 2 lead resul

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative 05:09:49 D 0003 12 at (717) 656-2300 0.00 00010504 ASR000 123814 535298 320





Page: 2 of 5

LLI Sample No. WW 2589060 collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

004-0996 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002 04996 SOG#: NBH12-04BKG

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS	. Name	AS	RECE	IVED
PCBs	in Water	NAME	RESULTS	ı	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to ins quantitati Limits obt	sufficient sample size, ion limits. The values tainable.	N.D. N.D. D.19 N.D. N.D. N.D. N.D. We were unable to reported represent	J	0.054 ug/t 0.15 ug/t 0.060 ug/t 0.13 ug/t 0.048 ug/t 0.18 ug/t 0.045 ug/t t our usual

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300





Page: 1 of 5

LLI Sample No. WW 2589061 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96

004-0996 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002 04996 SDG#: NBH12-04MS Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

The transfer of the control of the c

P.O. LL-2139-A7 Rel. 03886-118-002

CAT	- 3,16				
NO.	ANALYSIS NAME	AS RI	ECEIVED		
1749 1751	Cacimium	RESULTS	METHOD DETECTION LI	MIT UNITS	
1753 1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was incodue to the nature of the sample matrix. PCBs in Water	0.045 0.197 0.261 0.019 eased	0.0027 0.0043 0.0038 0.012	mg/l	
			4.	See Page	2

MS

1 COPY TO ROY F. Weston, Inc. 1 COPY TO ROY F. Weston, Inc. Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:10:11 D 0003 12 at (717) 656-2300 320 0.00 00010504 ASRODO 123814 535298





Page: 2 of 5

2589061 LLI Sample No. WW

Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96

11/10/96 Discard:

004-0996 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002

04996 SDG#: NBH12-04MS

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955 P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED METHOD DETECTION LIMIT UNITS CAT RESULTS ANALYSIS NAME NO.

PCBs in Water

ug/l 0.2 15. PCB-1016 0639 ug/l N.D. 0.5 PCB-1221 0640 0.2 ug/l N.D. PCB-1232 0641 ug/l N.D. 0.4 PC8-1242 0642 0.2 ug/l N.D. PC8-1248 ug/l 0643 0.6 N.D. PCB-1254 ug/l 0644 17. 0.1 0645

PCB-1260 Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation limits obtainable.

> Questions? Contact your Client Services Representative at (717) 656-2300 F. Bradley Ayars

> > Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





Page: 1 of

LLI sample No. WW 2589062 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

004-0996 Matrix Spike Duplicate Grab Water Sample

Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

Account No: 08947

P.O. LL-2139-A7 Rel. 03886-118-002

US ACOE-New Bedford 03886-118-002 04996 SDG#: NBH12-04MSD

	ABILITY OF MISD				
CAT NO.	ANALYSIS NAME	AS RE	ECEIVED		
1749 1751	Cadmium	RESULTS	METHOD DETECTION LI	MIT UNITS	
1753 1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was incoduce to the nature of the sample and income.	0.045 0.199 0.255 0.014	0.0027 0.0043 0.0038	ma/t	
0173	due to the nature of the sample matrix.	eased .	0.012	mg/l	
			4.	See Page	2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO ROY F. Weston, Inc. Data Package Group Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative at (717) 656-2300 05:10:34 D 0003 12 0.00 00010504 ASR000 123814 535298



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax 717-656-2681





Page: 2 of

LLI Sample No. WW 2589062 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

004-0996 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002 04996 SOG#: NBH12-04MSD

Account No: 08947 Roy F. Weston, Inc. 7 Éagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEI	[VED
PCBs	in Water	DECI	METHOD PETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample size quantitation limits. The value	15. N.D. N.D. N.O. N.D.	0.2 ug/l 0.5 ug/l 0.2 ug/l 0.4 ug/l

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative at (717) 656-2300





LLI Sample No. WW 2589064 collected: 9/25/96 at 10:20 by JC

Submitted: 9/27/96 Reported: 10/10/96

005-0996 Grab Water Sample

 $f_{i}(x_{i+1})$ 

US ACOE-New Bedford 03886-118-002 05996 SDG#: NBH12-05

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

1.

See Page 2

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED		
1749 1751	Cadmium	RESULTS	METHOD DETECTION LIMIT UNITS	
1753 1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was increduced to the nature of the nature.	N.D. N.D. <b>0.0098</b> J	0.0027 mg/l 0.0043 mg/l 0.0038 mg/l > N D 0.0060 mg/l	
0173	due to the nature of the sample matrix.	eased	ing/(	

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:11:08 D 0003 12 123814 535298



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster PA 17605-2425 717-656-2300 Fax 717-656-2681



Page: 2 of 5

LLI Sample No. WW 2589064 collected: 9/25/96 at 10:20 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

005-0996 Grab Water Sample US ACOE-New Bedford 03886-118-002 05996 SDG#: N8H12-05

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square

Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

ি বিভাগত কৰা নামৰ কিন্তু পৰি কৰি এই বিভাগত হৈ প্ৰচালে নিজু কৈ বিভাগত হৈ কিন্তু কৰি কৰিছে কৰিছে কৰিছে জুকুৰু বিভাগত কৰিছে বিভাগত

CAT NO.		ME	As	RECEIVED
PCBs	in Water		RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insuff quantitation Limits obtain	ficient sample size, we limits. The values re able.	N.D. N.D. N.D. N.D. N.D. N.D. Were unable to represent	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l 0.18 ug/l 0.045 ug/l report our usual

Questions? Contact your Client Services Representative at (717) 656-2300





LLI Sample No. WW 2589065 collected: 9/25/96 at 12:50 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

006-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 06996 SDG#: NBH12-06

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper 1055 Lead (furnace method) 0173 PCBs in Water

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

N.D. 0.0027 mg/l N.D. 0.0043 mg/L 0.0166 0.0038 mg/( >ND 0.0033 0.0012 mg/L 1. See Page 2

. 00715 N.N > estimate UJ

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result

result

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out-oppl

pour CPD

pour CPD

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars 05:11:29 D 0003 12 at (717) 656-2300 0.00 00010504 ASR000 320 123814 535298





Page: 2 of 5

LLI Sample No. WW 2589065 collected: 9/25/96 at 12:50 by JC

Submitted: 9/27/96 Reported: 10/10/96

006-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 06996 SDG#: NBH12-06

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS R	ECEIVED
PCBs	in Water	RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. N.D.	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l

Due to insufficient sample size, we were unable to report our usual limits obtainable.

N.D. 0.18 ug/l N.D. 0.045 ug/l quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300





Page: 1 of 5

LLI Sample No. WW 2589067 Collected: 9/25/96 at 13:10 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

106-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 16996 SDG#: NBH12-D8

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RE	CEIVED	
1749	Cadmium	RESULTS	METHOD DETECTION LI	MIT UNITS
1751 1753 1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was increde to the nature of the case.	N.D. N.D. <b>0.0071</b> N.D.	0.0027	mg/l mg/l mg/l s NIP
0173	due to the nature of the sample matrix.	eased		mg/l _7 ND 3

1 COPY TO ROY F. Weston, Inc. 1 COPY TO ROY F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:12:13 D 0003 12 123814 535298





Page: 2 of

LLI Sample No. WW 2589067 Collected: 9/25/96 at 13:10 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

. .

106-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 16996 SDG#: NBH12-08

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

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P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RE	CEIVED
PCBs	in Water	RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample size, quantitation limits. The values limits obtainable.	N.D. N.D. N.D. N.D. N.D. N.D. N.D. We were unable to reported represent th	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l

Questions? Contact your Client Services Representative at (717) 656-2300





Page: 1 of

LLI sample No. WW 2589066 Collected: 9/25/96 at 14:50 by JC

Submitted: 9/27/96 Reported: 10/10/96

Discard: 11/10/96

007-0996 Grab Water Sample US ACOE-New Bedford 03886-118-002 07996 SDG#: NBH12-07

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO. ANALYSIS NAME

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

1749 Cadmium 1751 Chromium 1753 Copper

0173

0.0180 J 0.025

N.D.

0.0027 mg/l 0.0043 mg/L > ND 0.0060 mg/L

1055 Lead (furnace method)

The quantitation limit for lead was increased due to the nature of the sample matrix. PCBs in Water

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars
05:11:52 D 0003 12 at (717) 656-2300 123814 535298 320 0.00 00010504 ASR000



Cancaster Laborator es 2425 New Holland Pike PO Box 12425 Lancaster PA 17605-2425 717-656-2300 Fax 717-656-2681



Page: 2 of 5

LLI Sample No. WW 2589066 collected: 9/25/96 at 14:50 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

007-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 07996 SDG#: NBH12-07 Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

		- •,		
CAT NO.	ANALYSIS	NAME	AS REC	
PCBs	in Water	nane	RESULTS	METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1248 PCB-1254 PCB-1250 Due to ins Quantitati	sufficient sample size, a on limits. The values r ainable.	N.D. N.D. N.D. N.D. N.D. N.D. We were unable to repo	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l 0.18 ug/l 0.045 ug/l prt our usual

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300



Page: 1 of 5

LLI Sample No. WW 2589068 Collected: 9/25/96 at 15:00 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

202-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002

20296 SDG#: NBH12-09 CAT

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7

pursate Blank

ANALYSIS NAME NO.

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method) 0173

PCBs in Water

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

N.D. 0.0027 mg/L N.D. 0.0043 mg/L 0.0130 J 0.0038 mg/L N.D. 0.0012 mg/L

x5 = .0650 Actum See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars
05:12:37 D 0003 12 at (717) 656-2300
123814 535298 0.00 00010504 ASR000





Page: 2 of

LLI Sample No. WW 2589068 Collected: 9/25/96 at 15:00 by JC

Submitted: 9/27/96 Reported: 10/10/96 Discard: 11/10/96

202-0996 Grab Water Sample

US ACOE-New Bedford 03886-118-002 20296 SDG#: NBH12-09

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO. PCBs	ANALYSIS	NAME	AS Results	RECEIVED  METHOD DETECTION L	IMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Oue to ins quantitati limits obt	sufficient sample size, on limits. The values ainable.	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.15 0.060 0.13 0.048 0.18	ug/l ug/l ug/l ug/l ug/l ug/l ug/l

Questions? Contact your Client Services Representative at (717) 656-2300





LLI Sample No. WW 2589078 collected: 9/25/96 at 14:00 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

001-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F1996 SDG#: NBH13-01

CAT

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

TO THE THE PARTY AND A STATE OF THE PARTY OF

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium N.D. 0.0027 mg/l 1*7*53 Copper N.D. 0.0043 mg/l 1055 Lead (furnace method) 0.027 0.0038 mg/L 0173 PCBs in Water N.D. 0.0012 mg/l See Page

This sample was field filtered for dissolved metals

¥, 1.4

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars 05:48:50 D 0003 12 at (717) 656-2300 123814 535303 0.00 00010504 ASR000 320



lancaster (lopy) in urilli



Page: 2 of 5

LLI Sample No. WW 2589078 Collected: 9/25/96 at 14:00 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

001-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F1996 SDG#: NBH13-01

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

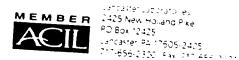
P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS	RECEIVED
	D Has	RESULTS	M. DETEC

	WATER NAME	•	METHOD
PCBs	in Water	RESULTS	DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample quantitation limits. The v	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.O.	0.054 ug/t 0.15 ug/t 0.060 ug/t 0.13 ug/t 0.048 ug/t 0.18 ug/t 0.085 ug/t

quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300





LLI Sample No. WW 2589079 Collected: 9/25/96 at 11:50 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

. 002-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F2996 SDG#: NBH13-02

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

THE STATE OF THE PROPERTY OF THE STATE OF TH

P.O. LL-2139-A7 Rel. 03886-118-002

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium N.D. 0.0027 mg/l 1753 Copper N.D. 0.0043 mg/l 1055 Lead (furnace method) 0.0192 J 0.0038 mg/l The quantitation limit for lead was increased 0.0113 J due to the nature of the sample matrix. 0.0060 mg/L 0173 PCBs in Water 1. See Page 2

This sample was field filtered for dissolved metals

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars o5:49:05 D 0003 12 at (717) 656-2300 123814 535303 0.00 00010504 ASR000

Lancaster Laboratories MEMBER 2425 New Horrand Pike PO Box 12425 Lancaster P4 17605-2425 717-656-2330 Fax 717-656-2681



Page: 2 of

LLI sample No. ww 2589079

Collected: 9/25/96 at 11:50 by JC Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

002-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F2996 SDG#: NBH13-02

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS R	ECEIVED
PCBs	in Water	RESULTS	METHOO DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample size	H.D. N.D. N.D. N.D. N.D. N.D.	0.054 ug/t 0.15 ug/t 0.060 ug/t 0.13 ug/t 0.048 ug/t 0.18 ug/t

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation

> Questions? Contact your Client Services Representative at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



LLI sample No. WW 2589080 Collected: 9/25/96 at 12:15 by JC

Submitted: 9/27/96 Reported: 10/11/96

Discard: 11/11/96

i.

003-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F3996 SDG#: NBH13-03

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cachnium 1751 0.024 Chromium 0.0027 mg/L 1753 Copper N.D. 0.0043 mg/L 1055 0.088 Lead (furnace method) 0.0038 mg/l The quantitation limit for lead was increased 0.016 0.012 mg/l due to the nature of the sample matrix. 0173 PCBs in Water 1. See Page

This sample was field filtered for dissolved metals

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:49:24 D 0003 12 123814 535303 320 0.00 00010504 ASR000



Respectfully Submitted Ramona V. Layman, Group Leader ICP Metals/Leachates



2216 (tal. 5 m) 24



Page: 2 of 5

1 - 5 - 1 LLI Sample No. WW 258 collected: 9/25/96 at 12:15 by JC 2589080

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

003-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F3996 SDG#: NBH13-03

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

作品的 体性 医二甲基甲基氏试验

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.:		*****	AS	RECEIVED
j	ANALYSIS	MAME	RESULTS	METHOO DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insignation of the control	sufficient sample size, ion limits. The values ainable.	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.15 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l

Questions? Contact your Client Services Representative at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





Page: 1 of

LLI Sample No. WW 258 Collected: 9/25/96 at 10:45 by JC 2589081

Submitted: 9/27/96 Reported: 10/11/96

Discard: 11/11/96

4.

004-0996 Filtered Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

F4996 SOG#: NBH13-048KG

CAT AS RECEIVED , ANALYSIS NAME S NO. \* METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium N.D. 1753 Copper 0.0027 N.D. Lead (furnace method) 0.0043 N.D. mg/l The quantitation limit for lead was increased 0.0038 mg/( N.D. due to the nature of the sample matrix. see Page 2 is mediant (1sas) 0.012 0173 PCBs in Water

This sample was field filtered for dissolved metals

. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative 05:49:42 D 0003 12 at (717) 656-2300 0.00 00010504 ASR000 320 123814 535303





Page: 2 of

LLI Sample No. WW 258 collected: 9/25/96 at 10:45 by JC 2589081

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

004-0996 Filtered Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002

F4996 SDG#: NBH13-04BKG -30. CAT

NO. ANALYSIS NAME

PCBs in Water

0639 PCB-1016 0640

PCB-1221 0641 PCB-1232 0642 PCB-1242

0643 PCB-1248 PC8-1254

0644 0645 PCB-1260

Due to insufficient sample size, we were unable to report our usual limits obtainable.

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

N.D.

N.D.

N.D.

N.D.

METHOD RESULTS DETECTION LIMIT UNITS

> N.D. 0.054 N.D.

Ug/[ 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048

ug/( ug/l

quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative f. Bradley Ayars at (717) 656-2300





LLI Sample No. WW 2589082 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

004-0996 Filtered Matrix Spike Grab Water Sample

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

US ACOE-New Bedford 03886-118-002 F4996 SDG#: NBH13-04MS

AS RECEIVED

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4.11.41.41.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	VO KECETAED		
ANALYSIS NAME	RESULTS	METHOD DETECTION LIMIT UNITS	
Chromium Copper Lead (furnace method) The quantitation limit for lead was include to the nature of the sample matrix. PCBs in Water	0.045 0.190 0.241 N.D.	0.0027 mg/t 0.0043 mg/t 0.0038 mg/t 0.012 mg/t	
	Chromium Copper Lead (furnace method) The quantitation limit for lead was include to the nature of the control	ANALYSIS NAME  Cadmium  Chromium  Chromium  Copper  Lead (furnace method)  The quantitation limit for lead was increased due to the nature of the relationship of the	RESULTS   DETECTION LIMIT UNITS

and PCBs

See Page 2

This sample was field filtered for dissolved metals 通知意识。

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars 05:50:03 D 0003 12 at (717) 656-2300 320 0.00 00010504 ASR000 123814 535303



\$7.

Lancaster Laboratories MEMBER 2425 New Holland Pike PC Box 12425 Lancaster 94 17605-2425



Page: 2 of 5

LLI Sample No. WW 2589082 Collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

004-0996 Filtered Matrix Spike Grab Water Sample

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

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P.O. LL-2139-A7 Rel. 03886-118-002

US ACOE-New Bedford 03886-118-002 F4996 SDG#: NBH13-04MS

CAT	<b>?</b> ∴		AS	RECEIVED
NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs	in Water			DETECTION CIMIT UNITS
0639	PCB-1016			
0640	PCB-1221		5.5	0.054 ug/1
0641	PCB-1232		N.D.	2 46
0642	PCB-1242		N.D.	0.000
0643	PCB-1248		N.D.	^ ^= -3/ \
0644	PCB-1254		N.D.	0.00
0645	PC8-1260		N.D.	0.40
	Due to in	Sufficient	6.0	0.18 ug/[ 0.045
	quantitat limits ob	sufficient sample size, ion limits. The values tainable.	we were unable to reported represent	report our usual t the lowest quantitation

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300



Page: 1 of 5

LLI Sample No. WW 2589083 collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

004-0996 Filtered Matrix Spike Dup. Grab Water

US ACOE-New Bedford 03886-118-002 F4996 SDG#: NBH13-04MSD Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

	100				
CAT NO.	ANAL YOUR	AS R	ECEIVED		
1749	ANALYSIS NAME	RESULTS	METHOD DETECTION LI	MIT UNITS	
1751 1753 1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was induce to the nature of the sample matrix PCBs in Water	0.045 0.192 0.244 N.D. creased	0.0027 0.0043 0.0038 0.012	mg/l	
	This sample was field file			See Page	2

This sample was field filtered for dissolved metals and  $\ensuremath{\mathsf{PCRe}}_{-}$ 

1 COPY TO Roy F. Weston, Inc.
1 COPY TO Roy F. Weston, Inc.
1 COPY TO Data Package Group ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:50:21 D 0003 12 123814 535303 320 0.00 00010504 ASR000





Page: 2 of

LLI Sample No. WW 2589083 collected: 9/25/96 at 10:45 by JC

Submitted: 9/27/96 Reported: 10/11/96

Discard: 11/11/96

7 Eagle Square Concord NH 03301-4955

Account No: 08947

Roy F. Weston, Inc.

P.O. LL-2139-A7 Rel. 03886-118-002

004-0996 Filtered Matrix Spike Dup. Grab Water

US ACOE-New Bedford 03886-118-002 F4996 SDG#: NBH13-04MSD

CAT NO. PCBs	ANALYSIS	NAME	AS Results	RECEIVED METHOD DETECTION LIMIT UNITS
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to inc quantitate	sufficient sample size, ion limits. The values tainable.	5.6 N.D. N.D. N.D. 6.1 we were unable to reported represent	0.060 ug/t 0.13 ug/t 0.048 ug/t

Questions? Contact your Client Services Representative at (717) 656-2300



Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17605-2425 717-656-2300 Fax 717-656-2681

Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



LLI Sample No. WW 2589085 collected: 9/25/96 at 10:20 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

005-0996 Filtered Grab Water Sample

US ACCE-New Bedford 03886-118-002 F5996 SDG#: NBH13-05

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Ret. 03886-118-002

CAT NO.	AUAL VOLC	AS RECEIVED			
1749	Cacimium		METHOD DETECTION LIMIT UNITS		
1055	Chromium Copper Lead (furnace method) The quantitation limit for lead was incredue to the nature of the sample matrix. PCBs in Water	N.D. N.D. N.D. 0.0080 j ased	0.0027 0.0043 0.0038 0.0060	mg/l mg/l mg/l mg/l	
	This sample was field filtered for di		1.	See Page	2

This sample was field filtered for dissolved metals

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

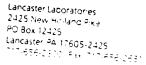
ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative at (717) 656-2300 05:50:52 D 0003 12 0.00 00010504 ASR000 320 123814 535303



Respectfully Submitted Ramona V. Layman, Group Leader ICP Metals/Leachates

Tea relande à paint l'ero étant no les limbres, est éconaliste par





Page: 2 of 5

LLI Sample No. WW 2589085 Collected: 9/25/96 at 10:20 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

005-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

F5996 SDG#: NBH13-05

٠,

CAT NO.	- AVALVELO MAN-	AS	AS RECEIVED			
1	ANALYSIS NAME in Water	RESULTS	METHOD DETECTION LIMIT UNITS			
0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254	N.D. N.O. N.D. N.D.	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l			
0645	PCB-1260	N.D. N.D.	0.048 ug/l			

0.18 Due to insufficient sample size, we were unable to report our usual ug/l quantitation limits. The values reported represent the lowest quantitation 1

> Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300





LLI Sample No. WW 258 Collected: 9/25/96 at 12:50 by JC 2589086

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

006-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F6996 SDG#: NBH13-06

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

CAI		AS RECEIVED			
NO.	ANALYSIS NAME	RESULTS	METHOD		
1749	Cadmium		DETECTION LIMIT UNITS		
1751	Chromium	N.D.	0.0027 ma/l		
1753	Copper	N.D.	0.004		
1055	Lead (furnace method)	N.D.	A 0075		
0173	PCBs in Water	N.D.	0.0038 mg/l 0.0012 mg/l		
	This sample was the		1. See Page 2	<u> </u>	

This sample was field filtered for dissolved metals

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars 05:51:13 D 0003 12 at (717) 656-2300 123814 535303 0.00 00010504 ASR000 320





Page: 2 of

LLI Sample No. WW 258 collected: 9/25/96 at 12:50 by JC 2589086

Submitted: 9/27/96 Reported: 10/11/96

Discard: 11/11/96

006-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F6996 SDG#: NBH13-06

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

CAT.
NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS

PCBs in Water

0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample size wa	N.D. N.D. N.D. N.D. N.D. N.D.	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l 0.18 ug/l

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



Page:

LLI Sample No. WW 2589088 Collected: 9/25/96 at 13:10 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

106-0996 Filtered Grab Water Sample US ACOE-New Bedford 03886-118-002

F1696 SDG#: NBH13-11

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSTS	AS REC	CEIVED
1740	Carteria	RESULTS	METHOO DETECTION LIMIT UNITS
1751 1753 1055 0173	Chromium Copper Lead (furnace method) PCBs in Water	N.D. D.D. O.N.D. J.0015 J	0.0027 mg/l 0.0043 mg/l 0.0038 mg/l 0.0012 mg/(
	This sample was field filtered for disselve		1. See Page

This sample was field filtered for dissolved metals

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:51:57 D 0003 12 123814 535303 320 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PC 80x 12425 Lancaster, PA 17605-2425 717-656-2300 Fax 717-656-2631





Page: 2 of 5

LLI Sample No. WW 258 Collected: 9/25/96 at 13:10 by JC 2589088

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

106-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F1696 SDG#: NBH13-11

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

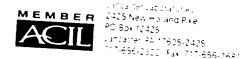
P.O. LL-2139-A7 Rel. 03886-118-002

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS PCBs in Water

		anni Out
0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260 Due to insufficient sample size	N.D. N.D. N.D. N.D. N.D. N.D.	0.054 ug/l 0.15 ug/l 0.060 ug/l 0.13 ug/l 0.048 ug/l 0.18 ug/l

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative at (717) 656-2300





Page: 1 of 5

LLI Sample No. WW 2589087 collected: 9/25/96 at 14:50 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

007-0996 Filtered Grab Water Sample

US ACCE-New Bedford 03886-118-002 F7996 SDG#: NBH13-10

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

AT		AS R	ECEIVED
).	ANALYSIS NAME	RESULTS	METHOD
9	Cacimium	WE30E12	DETECTION LIMIT UNITS
1	Chromium	N.D.	0.0027 mg/l
3	Copper	N.D.	0.0043
;	Lead (furnace method)	N.D.	0.0070
5	PCBs in Water	N.D.	0.0038 mg/l 0.0012 mg/l
	This sample was field filtered for the		1. See Page

This sample was field filtered for dissolved metals and PCBs

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300 05:51:34 D 0003 12 123814 535303





Page: 2 of

LLI Sample No. WW 2589087 Collected: 9/25/96 at 14:50 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

007-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F7996 SDG#: NBH13-10

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT

AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS PCBs in Water

0639 0640 0641 0642 0643 0644	PC8-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 Due to insufficient sample size we work	N.D. N.D. N.D. N.D. N.D. N.D.	0.054 0.15 0.060 0.13 0.048 0.18	ug/l ug/l ug/l ug/l
--	--	--	---	------------------------------

Due to insufficient sample size, we were unable to report our usual quantitation limits. The values reported represent the lowest quantitation

Questions? Contact your Client Services Representative at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



LLI sample No. ww 2589089 Collected: 9/25/96 at 15:00 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

202-0996 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002 F2296 SDG#: NBH13-12

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT AS RECEIVED NO. ANALYSIS NAME METHOD RESULTS DETECTION LIMIT UNITS 1749 Cadmium 1751 Chromium N.D. 0.0027 1*7*53 mg/l Copper N.D. 0.0043 1055 mg/[ Lead (furnace method) N.D. 0.0038 mg/L 0173 PCBs in Water N.D. 0.0012 mg/l 1. See Page

RINSPIE-ANK

This sample was field filtered for dissolved metals and PCBs.

COPY TO Roy F. Weston, Inc. Roy F. Weston, Inc. 1 COPY TO 1 COPY TO Data Package Group

ATTN: Bryce Fletcher ATTN: Mr. James Chow

Questions? Contact your Client Services Representative at (717) 656-2300 05:52:14 D 0003 12 123814 535303 0.00 00010504 ASR000 320

candaster cappratories

Lancaster 64 17505-2425 



ICP Metals/Leachates

Respectfully Submitted Ramona V. Layman, Group Leader



Page: 2 of 5

LLI Sample No. WW 2589089 Collected: 9/25/96 at 15:00 by JC

Submitted: 9/27/96 Reported: 10/11/96 Discard: 11/11/96

202-0996 Filtered Grab Water Sample

1 US ACDE-New Bedford 03886-118-002 F2296 SDG#: NBH13-12

Account No: 08947 Roy F. Weston, Inc. 7 Eagle Square Concord NH 03301-4955

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO. ANALYSIS NAME

METHOD RESULTS DETECTION LIMIT UNITS

AS RECEIVED

PCBs in Water

0639 0640 0641 0642 0643 0644	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254	N.D. N.D. N.D. N.D.	0.054 0.15 0.060 0.13 0.048	ug/l ug/l ug/l ug/l ug/l
0645	PCB-1254 PCB-1260	N.D.	0.048 0.18	ug/l ug/l

Due to insufficient sample size, we were unable to report our usual 0.045 ug/l quantitation limits. The values reported represent the lowest quantitation

> Questions? Contact your Client Services Representative F. Bradley Ayars at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs

